

National Science Olympiad 2009

Egg-O-Naut C

Team Number: C__ Team Name: _____

Student Names: _____ Final Score: _____

Do not write below this line.

Safety Violations (Part. Points Only)

Egg-O-Naut 1 Egg-O-Naut 2

Rocket is not made out of a \leq 1-liter plastic carbonated beverage bottle	1. Y	N	18. Y	N
Label not present (either on bottle or removed)	2. Y	N	19. Y	N
Structural integrity of the pressure vessel altered	3. Y	N	20. Y	N
Metals have direct contact with pressure vessel	4. Y	N	21. Y	N
Sharp or pointed metal components or a leading surface consisting of a rigid spike used	5. Y	N	22. Y	N
Not all energy originates from the water/air pressure	6. Y	N	23. Y	N
Not wearing safety goggles (after one warning)	7. Y	N	24. Y	N

Construction Violations (2nd tier)

Commercial model rocket parts used	8. Y	N	25. Y	N
Parts added to the bottle is within 2 cm of the flange on the bottle's neck	9. Y	N	26. Y	N
The egg is not easily removable	10. Y	N	27. Y	N
The egg is adhered to other material (ie. Glue or tape)	11. Y	N	28. Y	N
The rockets and each part that is intended to separate is not clearly marked	12. Y	N	29. Y	N

Score

Timer 1	13. _____	30. _____		
Timer 2	14. _____	31. _____		
Timer 3	15. _____	32. _____		
The Egg-O-Naut or portion of the rocket containing the egg completely detaches from the pressure vessel	16. Y	N	33. Y	N
Egg-O-Naut is retrieved and survives	17. Y	N	34. Y	N
Disqualified (notify the team and their coach as soon as possible)			35. Y	N